

- (aa) Less convex; antennæ 7- or 8-jointed.
- (i) Scale with two prominent tubercles; antennæ 8-jointed . . . . . *Cockerelli*.
  - (ii) Scale without such tubercles.
    - (b) Antennæ 7-jointed; scale alt.  $2\frac{1}{2}$ -3 mm . . . *mori*.
    - (bb) Antennæ 8-jointed.
      - (c) Joints 3, 4, 5 nearly equal . . . . . *genistæ*.
      - (cc) Joint 3 longer than 4, and this longer than 5.
        - (d) 5, 6, 7 nearly equal; scale narrower, 3 mm. wide; second antennal joint with one hair only, this very long . . . . . *elongatum*.
        - (dd) 6 longer than 7, and may be longer than 5; scale broader,  $4\frac{1}{2}$  mm. wide; second antennal joint with two long hairs . . . *magnoliarum*.
- (3.) Long. 7 mm.
- (a) Convex, alt. usually 5 or 6 mm.
    - (i) Antennæ 8-jointed; legs short and robust, tarsus longer than tibia . . . . . *Douglasi*.
    - (ii) Antennæ 7-jointed; tarsus shorter than tibia.
      - (b) Legs long and slender . . . . . *coryli*.
      - (bb) Legs robust; scale higher, alt. 5 mm . . . . . *ulmi*.
    - (iii) Antennæ 6-jointed; legs robust, tarsus shorter than tibia; scale highest of this group; alt. 6 mm . . . . . *capreae*.  
(*ulmi* and *capreae* are probably one species.)
  - (aa) Less convex, alt. not over 4 mm., usually less.
    - (i) Antennæ 8-jointed.
      - (b) Not pruinose; legs ordinary . . . . . *rosarum*.
      - (bb) Pruinose; anterior legs with tarsi very broad . . . . . *berberidis*.
    - (ii) Antennæ 7-jointed, joints 3 and 4 about equal; legs ordinary
      - (b) Pruinose with a whitish powder . . . . . *pruinsum*.
      - (bb) Not pruinose.
        - (c) More convex, 4 mm. high . . . . . *quercifex*.
        - (cc) Less convex, not over 3 mm. high . . . *mori*.